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10/605,349	09/24/2003	Peter L. Bergh	014607.1	2348

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MOORE AND VAN ALLEN PLLC FOR BOEING  
430 DAVIS DRIVE  
SUITE 500  
MORRISVILLE, NC 27560

EXAMINER
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PERUNGAVOOR, VENKATANARAY

ART UNIT	PAPER NUMBER
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2132

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07/31/2007

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	Application No. 10/605,349	Applicant(s) BERGH ET AL.	
	Examiner Venkat Perungavoor	Art Unit 2132	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 13 June 2007.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-114 and 132-141 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-114 and 132-141 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 24 September 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## **DETAILED ACTION**

### ***Response to Arguments***

1. The Applicant's arguments filed on 6/13/2007 are not persuasive. As Kang(US Patent 2004/0225891) discloses a format header that is encrypted using a temporary key. The temporary key is generated using user's key, that is particular to the user/client. And further, the user upon presentation of the key is able to decrypt the content data in the format that is allowed or predetermined see Par. 0047 & Par. 0137 & Par. 0101. Thus, the user/client is prevented from viewing the data if the key is not correct, and further the key being used to illustrate the protocol information see Par. 0076.
2. The Applicant's amendments to claims 1-4, 8-26, 30-39, 62-72, 132-141 have obviated the 35 USC § 101 rejection.

### ***Claim Rejections - 35 USC § 102***

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:  
  
A person shall be entitled to a patent unless –  
  
(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.
4. Claims 1-14, 34-36, 73-76, 78-85 are rejected under 35 U.S.C. 102(e) based on foreign priority as being anticipated by US Patent Publication 2004/0225891 to Kang et al.(hereinafter Kang).

5. Regarding Claim 1, 62, 132, 138, Kang discloses the encrypting of header(formatting data) associated with the content data see Fig. 19 item S250 & S260; formatter to decrypt the encrypted format data and format content data in predetermined format based on decrypted formatting data, wherein information content data is capable of being presented in format other than predetermined format at the requestor/client and the formatting data is encrypted and decrypted in response to one key or password to prevent the associated information being presented in format other than the predetermined format at the requester or client to provide presentation integrity between the requester or client see Par .0068 & Par 0076 & Par. 0091(where the protocol is presented to the user when a temporary key is used to decrypt the data containing protocol information).
6. Regarding Claim 2, 22, 41, Kang discloses the plurality of format decoders being present to decode the format and to authorize the user see Fig. 9 item 31 & Par. 0090-0091.
7. Regarding Claim 3, 23, Kang discloses the format field containing a indicator of the type of format and a key generation algorithm field containing the key to decrypt the header see Par. 0096.
8. Regarding Claim 4, 26, Kang discloses the temporary validation keys to be used for encryption/decryption assigned to different copies of data see par. 0068.
9. Regarding Claim 5, Kang discloses the output the present data in predetermined format see Fig. 2 item 10.

10. Regarding Claim 6-7, 81, 27, 60, 81, Kang discloses the output device being a display and printer see Fig. 22(microcomputer generally includes an printer). Further, an MPEG decoder(i.e. media player) connected to the computer see Fig. 22 item 350.
11. Regarding Claim 8, 10, 12, 14, 35-36, 76, 78-80, 83-84, 32-33, 45-46, 52-53, 56, 59, 63-65, 67-70, 76, 78-80, 93, 103-107, 109, 112-114, 135,137, 139, 141, Kang discloses the validation keys being used to decrypt the content see Fig. 6 item 103 and further to decrypt the header see Fig. 6 item 112. Further the keys being temporary in nature see Fig. 20 item S310.
12. Regarding Claim 9, 31, Kang discloses the user key being used to decrypt header and data see Fig. 20 item S320, S330.
13. Regarding Claim 11, 49, Kang discloses the encrypter for encrypting see Fig. 18 item S140.
14. Regarding Claim 21, 55, Kang discloses the formatter to decrypt the encrypted format data and format content data in predetermined format based on decrypted formatting data see Par. 0087; Kang discloses the output the present data in predetermined format wherein information content data is capable of being presented in format other than predetermined format at the requestor/client and the formatting data is encrypted and decrypted in response to one key or password to prevent the associated information being presented in format other than the predetermined format at the requester or client to provide presentation integrity between the requester or client see Par .0068 & Par 0076 & Par.

0091(where the protocol is presented to the user when a temporary key is used to decrypt the data containing protocol information)..

15. Regarding Claim 24-25, 57-58, 66, 75-77, 102, 110, 134, 136, 140, Kang discloses the versions and authorization at the PC for each user being embedded in the header see Fig. 14& Fig. 15.
16. Regarding Claim 34, Kang discloses the encrypter to encrypting the metadata(i.e. header) associated with content data see Fig. 19 item S260; decrypter to decrypt the formatting data see Fig. 23B item S555; a formatter to format the content data based on the decrypted metadata wherein information content data is capable of being presented in format other than predetermined format at the requestor/client and the formatting data is encrypted and decrypted in response to one key or password to prevent the associated information being presented in format other than the predetermined format at the requester or client to provide presentation integrity between the requester or client see Par .0068 & Par 0076 & Par. 0091(where the protocol is presented to the user when a temporary key is used to decrypt the data containing protocol information)..
17. Regarding Claim 40, 90, Kang discloses the encrypter to encrypt the data and the header see Fig. 18 item S140 & Fig. 19 item S260; broker to transmit the encrypted information to client see Fig. 2 item 12; formatter to decrypt the encrypted format data and format content data in predetermined format based on decrypted formatting data wherein information content data is capable of being presented in format other than predetermined format at the

requestor/client and the formatting data is encrypted and decrypted in response to one key or password to prevent the associated information being presented in format other than the predetermined format at the requester or client to provide presentation integrity between the requester or client see Par .0068 & Par 0076 & Par. 0091(where the protocol is presented to the user when a temporary key is used to decrypt the data containing protocol information).; browser to present information in predetermined format see Par. 0053 & Par. 0056.

18. Regarding Claim 47, 54, Kang discloses the buffer and storage device see Fig. 22 item 300; broker to transmit the encrypted information to client see Fig. 2 item 12.

19. Regarding Claim 48, 100, Kang discloses the encrypter to encrypting the metadata(i.e. header) associated with content data see Fig. 19 item S260; broker to transmit the encrypted information to client wherein information content data is capable of being presented in format other than predetermined format at the requestor/client and the formatting data is encrypted and decrypted in response to one key or password to prevent the associated information being presented in format other than the predetermined format at the requester or client to provide presentation integrity between the requester or client see Par .0068 & Par 0076 & Par. 0091(where the protocol is presented to the user when a temporary key is used to decrypt the data containing protocol information)..

20. Regarding Claim 71, Kang discloses the authorization of user see Par. 0108.

21. Regarding Claim 71, Kang discloses the DVD watermarking see Par. 0053.

22. Regarding Claim 73, Kang discloses the decrypting the encrypted header data see Fig. 23 B item S555; formatting the associated content data in predetermined format based on decrypted header data wherein information content data is capable of being presented in format other than predetermined format at the requestor/client and the formatting data is encrypted and decrypted in response to one key or password to prevent the associated information being presented in format other than the predetermined format at the requester or client to provide presentation integrity between the requester or client see Par .0068 & Par 0076 & Par. 0091 (where the protocol is presented to the user when a temporary key is used to decrypt the data containing protocol information).
23. Regarding Claim 74, 90, 101, 134, Kang discloses the defined formatting of many types see Fig. 13-Fig. 17.
24. Regarding Claim 75, Kang discloses the user authorization being encoded into the header, further this information is used to decrypt the content data see Fig. 19 item S240.
25. Regarding Claim 82, Kang discloses the decrypting of content see Fig. 23 B item S570.
26. Regarding Claim 85, Kang discloses the header being updated and accounting for these changes see Fig. 23 B item S565.



27. Regarding Claim 92,94 Kang discloses user authorization information in addition to the user supplied data see Par. 0135 & Par. 0088.
28. Regarding Claim 108, Kang discloses the decrypter to decrypt the formatting data see Fig. 23B item S555; a formatter to format the content data based on the decrypted metadata wherein information content data is capable of being presented in format other than predetermined format at the requestor/client and the formatting data is encrypted and decrypted in response to one key or password to prevent the associated information being presented in format other than the predetermined format at the requester or client to provide presentation integrity between the requester or client see Par .0068 & Par 0076 & Par. 0091(where the protocol is presented to the user when a temporary key is used to decrypt the data containing protocol information).

***Claim Rejections - 35 USC § 103***

29. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

30. Claims 15-20,37-39,50-51, 61, 86-89, 95-99, are rejected under 35 U.S.C. 103(a) as being unpatentable over US Patent Publication 2004/0225891 to Kang et al.(hereinafter Kang) in view of US Patent Publication 2003/0229529 to Mui et al.(hereinafter Mui).

31. Regarding Claim 15-20, 37-39, 50-51, 61, 86-89, 95-99, Kang does not explicitly disclose the XSLT being used to produce an HTML, web browser see Fig. 8A item "HTML", "XSL/XSLT". It would be obvious to one having ordinary skill in the art at the time of the invention to include the XSLT being used to produce an HTML, web browser in the invention of Kang in order to make it adaptable across many platforms as taught in Mui see Par. 0216.

32. Claims 77,111, are rejected under 35 U.S.C. 103(a) as being unpatentable over US Patent Publication 2004/0225891 to Kang et al.(hereinafter Kang) in view of US Patent Publication 2002/0099947 to Evans.

33. Regarding Claim 77, Kang does not disclose the audio-visual or combination of audio-visual. However, Evans discloses audio, visual, and audio-visual see Fig. 1 item 16 & Par. 0002 & Par. 0041-0043. It would be obvious to one having ordinary skill in the art at the time of the invention to include audio, visual, and combination of audio-visual in the invention of Kang in order to have a unique user experience see Par. 0049.

34. Claims 28-30, 42-44, is rejected under 35 U.S.C. 103(a) as being unpatentable over US Patent Publication 2004/0225891 to Kang et al.(hereinafter Kang) in view of US Patent 5815809 to Ward et al.(hereinafter Ward).

35. Regarding Claim 28-30, 42-44, Kang does not disclose the formatter being included in an vehicle and further of communications involving satellite and ground communications.

However, Ward discloses the formatter in a vehicle and communication involving satellite and ground communications see Fig. 1. It would be obvious to one having ordinary skill in the art at the time of the invention to include the formatter in a vehicle and communication involving satellite and ground communications in the invention of Kang in order to service to roaming user a as taught in Col 1 Ln 50-56.

***Conclusion***

36. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a).

Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a). A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

37. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Venkat Perungavoor whose telephone number is 571-272-7213. The examiner can normally be reached on 8:30-5:00. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gilberto Barron can be reached on

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571-272-3799. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

38. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/VP/  
Venkat Perungavoor  
Examiner  
Art Unit 2132  
July 25, 2007